



# ***NAVY AND MARINE CORPS SPECTRUM OFFICE CENTRAL BAHRAIN***

**31<sup>ST</sup> Annual USN/USMC Spectrum  
Management Conference**



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# OVERVIEW



- Background
- Mission
- Manning
- Operational Chain of Command
- Tactical Chain of Command
- Functional Areas
- Challenges

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# ***BACKGROUND***



Navy Marine Corps Spectrum Office (NMCSO) came about as the result of a CNO Flag Pole Study which realigned various activities under NETWARCOM. In Jan 2005 the NETWARCOM proposed reorganization was approved. In April 2005 the recommendation to establish “regional” spectrum management Offices and to realign “SM” personnel and services to support “high fleet concentration areas” was approved. As a result NMCSO CENT was established AUG 2007.

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# ***MISSION***



- Provide Afloat, Ashore, and Joint Electromagnetic Spectrum Management. Maintain overall management and control of all Naval Spectrum within the CENTCOM AOR in support of Navy, Marine Corps, Joint and Coalition forces

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# ***OPERATIONAL CONTROL (OPCON)***

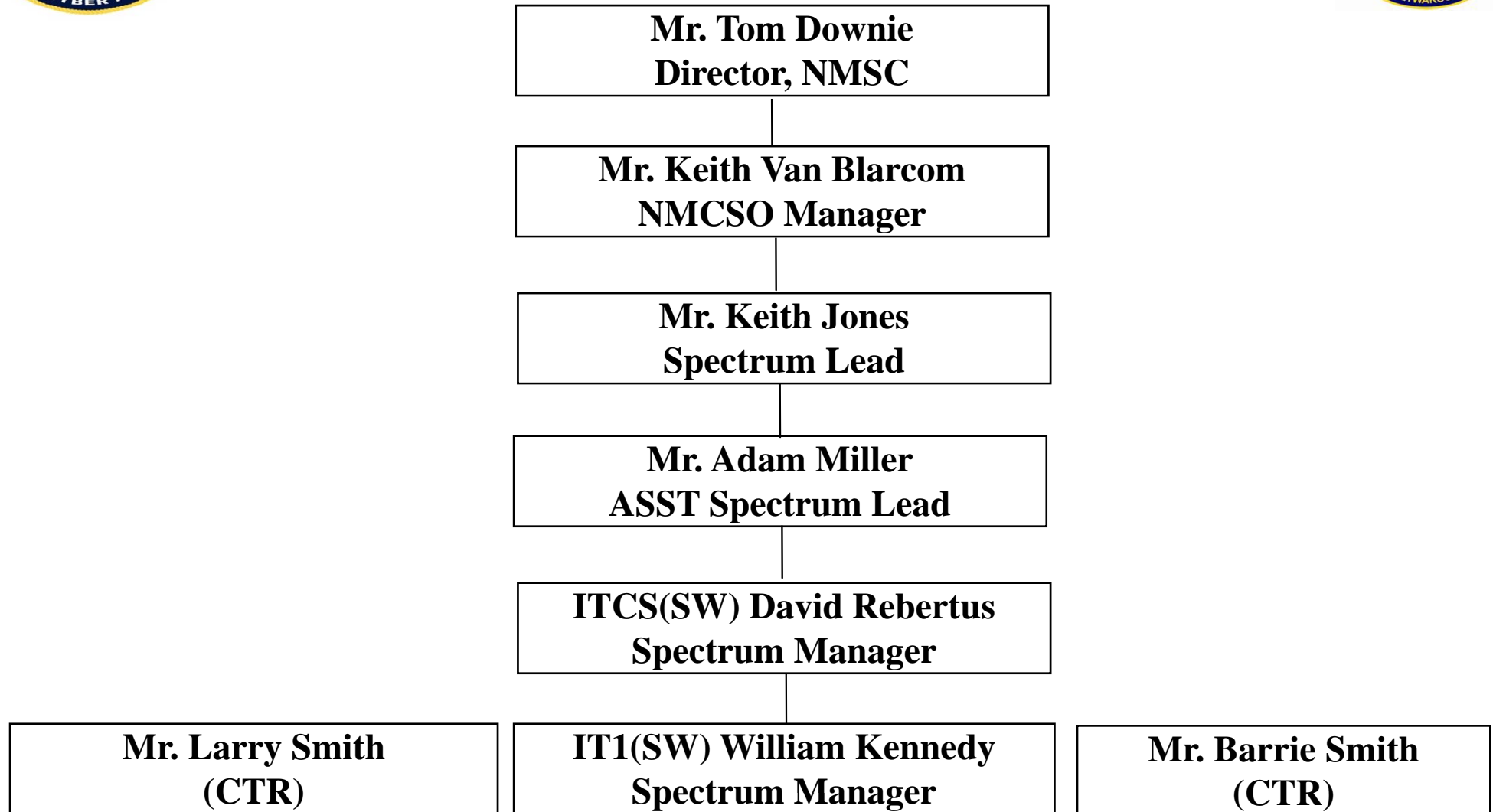


- NMCSO CENT falls under the OPCON of our parent command Navy and Marine Corps Spectrum Center (NMSC)

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# ***OPCON CHAIN OF COMMAND***



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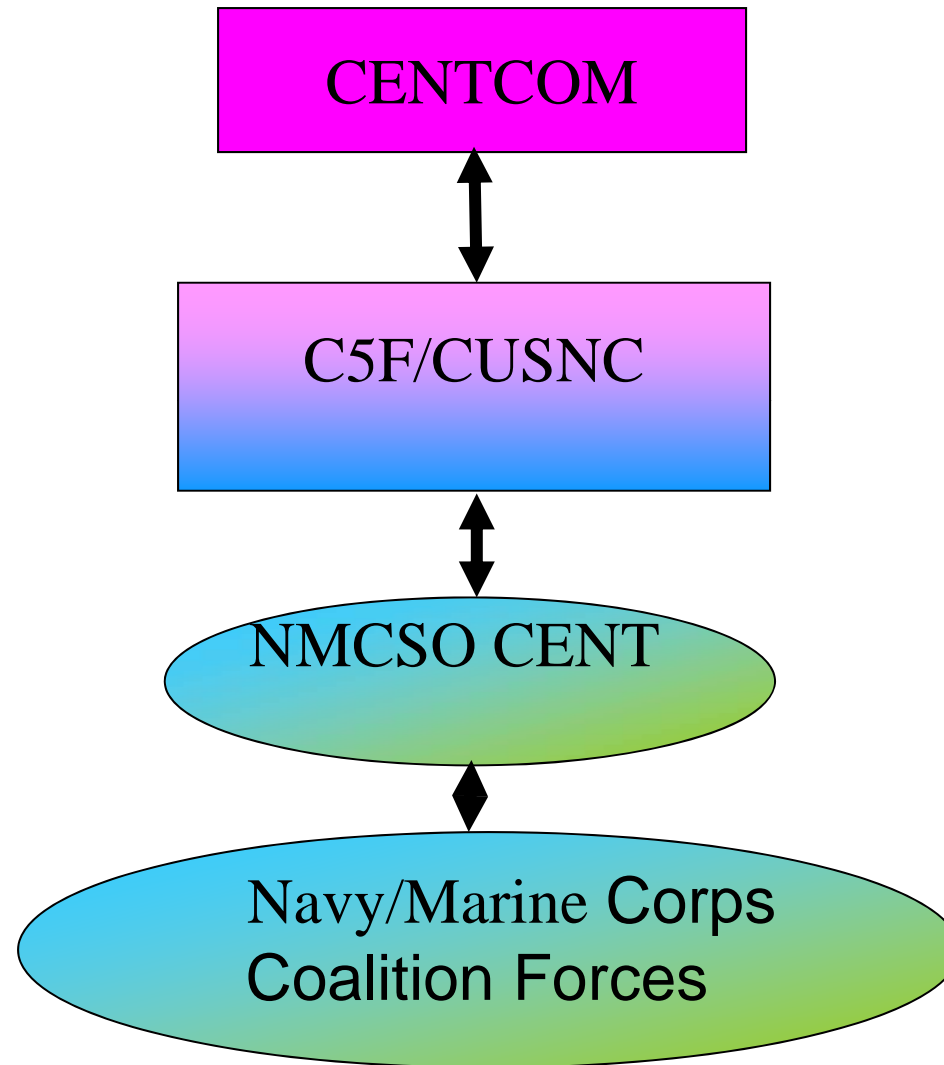
# ***TACTICAL CONTROL***

- NMCSO CENT is under the Tactical Control (TACON) of C5F/CUSNC N6 for all Spectrum Management related functions and tasks as stipulated in the Memorandum of Agreement

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# ***TACTICAL CHAIN OF COMMAND***



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# CENTCOM AOR

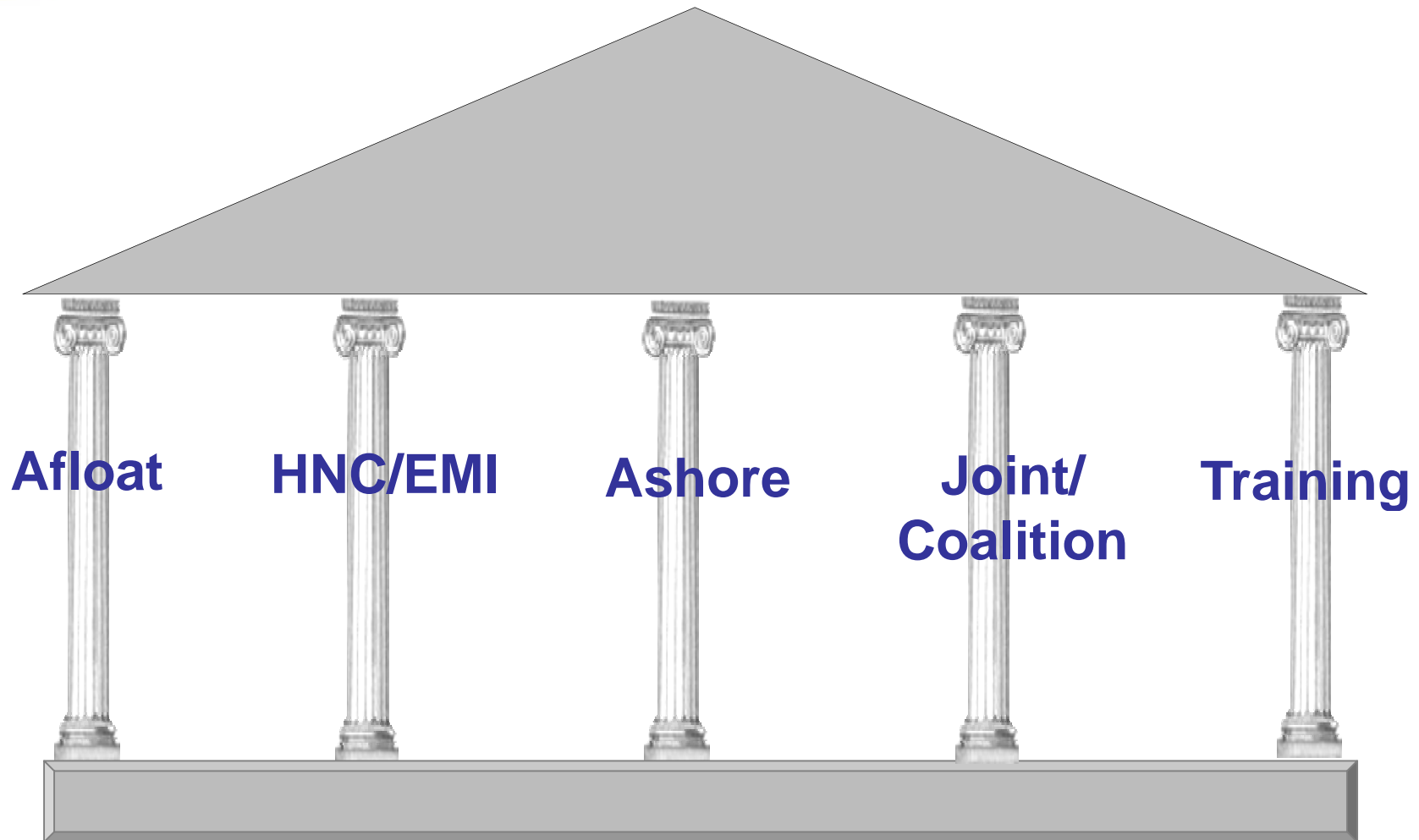


21 Countries, 3 major bodies of water (Arabian Gulf, Arabian Sea, Red Sea), occupying ITU Regions 1 & 3.

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# Functional Areas



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# ***AFLOAT***



- Develop and maintain CSG, ARG, U.S./Coalition OPTASK COMM plans
- Assign and maintain Tactical Air Navigation/Land Launch/Homer frequencies as required
- Maintain and update C5F RADAR Restrictions
- Process frequency requirements to CENTCOM and AFRICOM JFMO'S. (**One stop shopping**)
- Review CTF 50 U.S. and Coalition monthly AESOP Radar Plans

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# ***AFLOAT CONT.***



## **Current OPTASK COMMS**

- ESF - 1
- CSG - 4
- ESG - 3
- CTF - 6
- CTG - 4
- NSA BHR -1

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# ***Host Nation Coordination/EMI***



- Coordinate with DWLFM for host nation approval of spectrum resources in the Kingdom of Bahrain
- Represent CUSNC/C5F as members of the U.S. Delegation to the semi-annual Gulf Cooperation Council (GCC) member States and DOD Radar Interference and Frequency Coordination Conferences
- Host the U.S. only preparatory meeting of the GCC EMI resolution working group
- Respond to, track and resolve EMI reports received from the GCC TELECOM Bureau or reported by individual GCC Countries

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## ***HNC/EMI CONT.***



- Brief all EMI reports and spectrum supportability requirements at the regional semi-annual GCC conferences
- Liaise with the Director, GCC TELECOM Bureau on all spectrum management matters impacting all GCC Countries
- Provide on call (24/7) person to address EMI issues reported by GCC Countries (C5F requirement)
- Document instances of interference into CENTCOM Spectrum Interference Resolution Reporting System (CSRS)

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# CENTCOM Spectrum Interference Resolution Reporting System (CSRS)

<https://hqsdb05.centcom.smil.mil/csrs/Welcome.aspx>

## C S R S

USCENTCOM Spectrum Interference Resolution Reporting System  
Version 2.0

[Click Here to Submit a JSIR Report](#)

[Click Here to Search JSIR Reports](#)

Use this page to report instances of interference to authorized radio frequencies  
IAW Current CENTCOM Spectrum SOP: [SPECTRUM 1 - USCENTCOM Spectrum Interference Reporting Process](#)

**Always attempt to resolve radio frequency interference with your local frequency manager prior to initiating a formal JSIR.**

When submitting a JSIR via this webpage select the SIPR email address for the frequency manager to your higher headquarters.

If you are having problems with this site or its use, call the Support number below to contact our helpdesk.

Request Support, call Spectrum Interference Resolution Manager (SIRM): 318-436-2576, VOSIP 308-436-3067

The address of this SIPRNET page is <http://hqsdb05.centcom.smil.mil/csrs/Welcome.aspx>

Component Frequency Management POCs are available at: [AOR Spectrum Manager POC List](#)

Installation Spectrum Manager POCs are available at: [Installation Spectrum Manager POC List](#)

Emergency POC phone contact is DSN 312-651-5366

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(CSRS)

ome::JSIR

**Log In**  
Log In Name  
  
Password

[Guest](#)  
[Submit JSIR](#)  
[Search](#)  
  
[CSRS Users Manual V1.0.3 \(< 2.5 MB\)](#)  
**To Request Support, call our Service Desk at: DSN 312-651-3766**  
[Reports](#)

**NEW EMI -- \* denotes required field**

**Classification \*** **Date of Report** **JSIR ID**

**Originator Information**  
POC Title\*  POC Name\*  Unit  Office Symbol  Location (Base, Camp, FOB)\*   
DSN Phone\*  Secure Email Only\*

**Interference Victim Information**  
☐ Same As Originator POC Title\*  POC Name\*  Unit  Secure Email Only\*

**Interference Occurred**  
Location (Base, Camp, FOB, City)  Country\*  DTG (Zulu) Start (DDHHHHZMMYY)\*  DTG (Zulu) (DDHHHH   
Latitude/Longitude \*  Or MGRS\*  Killbox  Altitude (in Feet)

**Description of the Interrupted/Degraded System**  
Platform/Vehicle \*  RF Equipment  SXXI Agency Serial Number (xxxxx

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(CSRS)

Home Search

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**To Request Support, call our Service Desk at: DSN 312-651-3766**

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**EMI Search**

SearchExportReset

**Classification**

Select a Classification

**Date of Report**

☐ Range

Date

**JSIR ID**

**Impacted Receive Frequencies**

☐ Range

Frequency

**Impacted Transmit Frequencies**

☐ Range

Frequency

**Status**

☒ Pending Review ☒ In Review ☐ Closed ☐ Resolved

**Type**

☒ Active ☐ Deleted

**Interference Occurred**

Location (Base, Camp, FOB, City)

Country  
Select a Country

DTG (Zulu) (DDHHHHZMMYY)  
Date

Latitude/Longitude

Or MGRS

Killbox

Altitude (in Feet)

**Originator Information**

POC Title

POC Name

Unit

Office Symbol

Location (Base, Camp, FOB)

Phone

Email

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# (CSRS)

Log In

Log In Name

Password

Log In

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Search Results 70 Matches Found										
ID	Event DTG	Freq	EMI Type	Location	POC	Country	Date	Status	Type	Review
2475	230640ZMay09	1575.42MHz			Dennis Mason		26 May 2009	In Review by CENTCOM.SIRM	Air	
2472	251526ZMay09	324.6MHz			JEFFREY GOULD		25 May 2009	In Review by CENTCOM.SIRM	Air	
2467	251700ZMay09	325.4MHz			KEVIN HICKS		25 May 2009	In Review by Balad.FMO	Air	
2466	170830ZMay09	78.85MHz			Lamar, Stacey		25 May 2009	In Review by CENTCOM.SIRM	Air	
2460	211121ZMay09	118.7MHz			Patsy Parshall		21 May 2009	In Review by MNC-I.FMO	Air	
2458	201751ZMay09	300MHz			DANA CHATMAN		20 May 2009	In Review by Balad.FMO	Air	
2457	190001ZMay09	372.6MHz			Lt Col Conklin		18 May 2009	In Review by CENTCOM.SIRM	Air	
2456	162123ZMay09	136MHz			Palaoro, Hans		18 May 2009	In Review by CENTCOM.SIRM	Air	
2455	181927ZMay09	1575MHz			Randy Backley		18 May 2009	In Review by CENTCOM.SIRM	Air	
2453	162022ZMay09	325.4MHz			CHRISTOPHER CUMMINGS		17 May 2009	In Review by CENTCOM.SIRM	Air	
2452	171740ZMay09	325.4MHz			Latoya Johnson		17 May 2009	In Review by CENTCOM.SIRM	Air	
2451	230757ZMay09	121.5MHz			ralph Abney		15 May 2009	In Review by CENTCOM.SIRM	Air	
2450	230757ZMay07	243MHz			Ralph Abney		15 May 2009	In Review by CENTCOM.SIRM	Air	

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# ***GCC COUNTRIES***

- Bahrain
- Kuwait
- Oman
- Qatar
- Saudi Arabia
- United Arab Emirates

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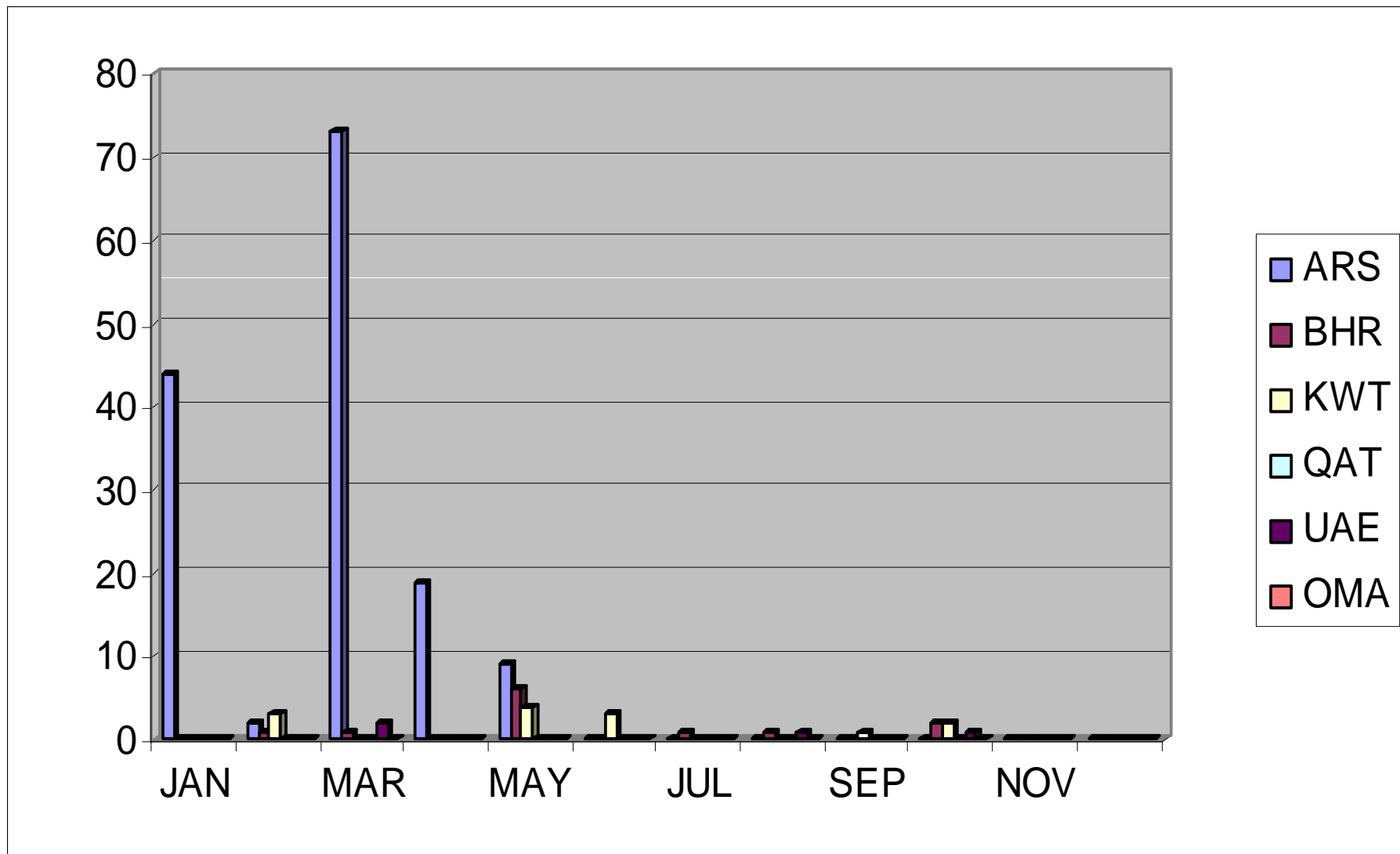


# GSM NETWORK

- Host Nations Will Not Approve Frequencies in these Bands
- GSM 900 and 1800 MHz Used Throughout AOR  
GSM 900 = 880-915 MHz U/L, 925-960 MHz D/L  
GSM 1800 = 1710-1785 MHz U/L, 1805-1880 MHz D/L
- IMT 2000/3G GSM = 1880-1990 MHz (future)



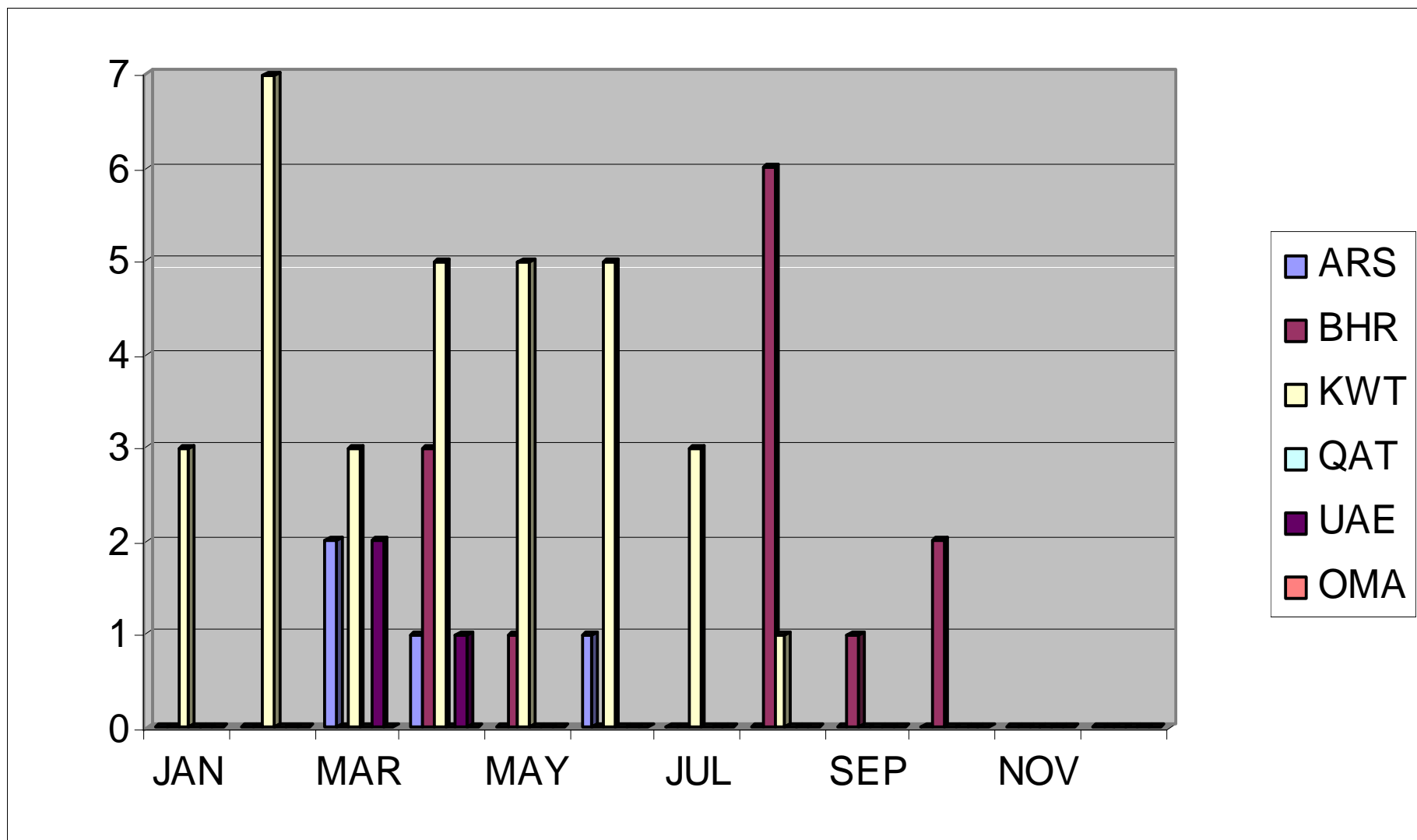
# 2008 GCC COUNTRIES EMI



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# 2009 GCC COUNTRIES EMI



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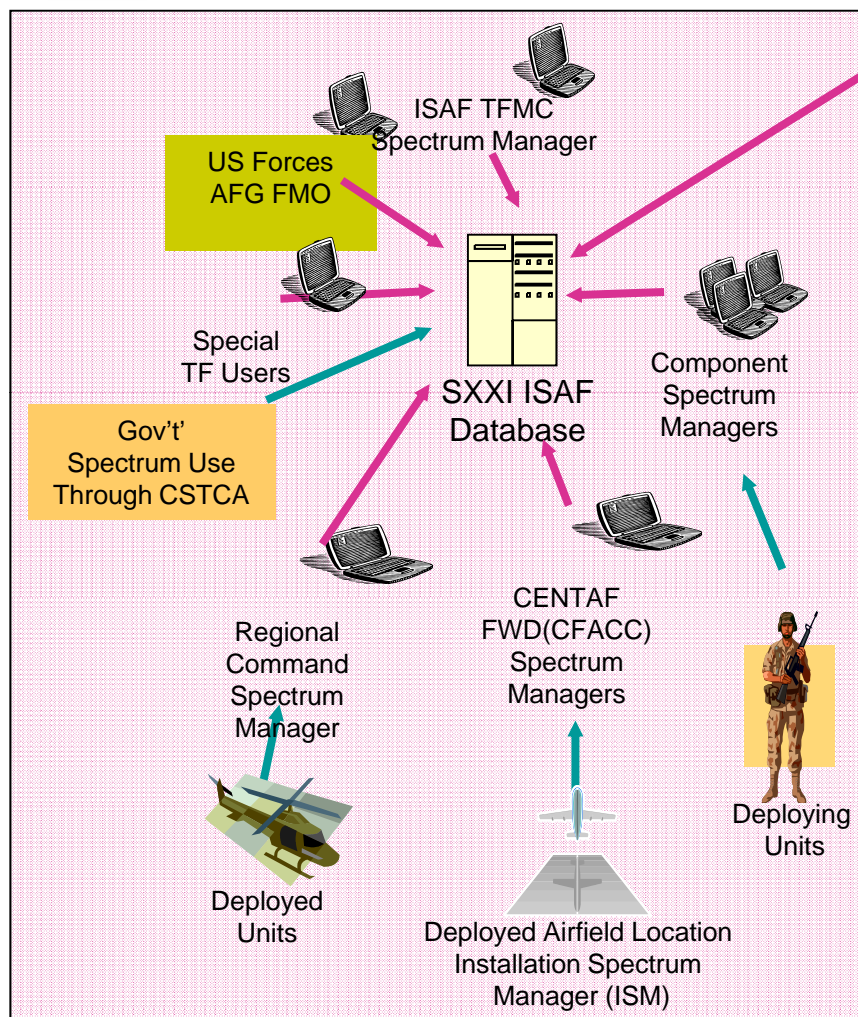
# ASHORE



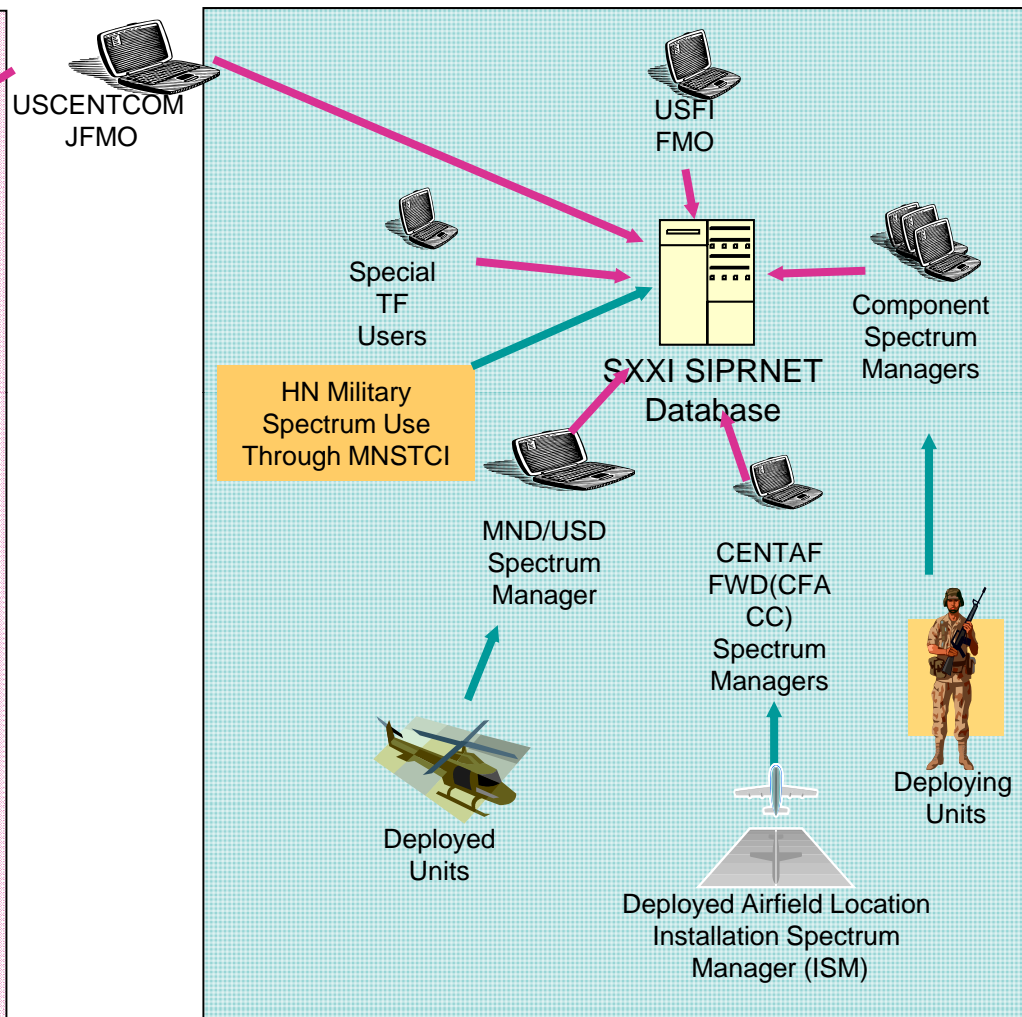
- Responsible for the day-to-day management and control of Naval Spectrum for NSA Bahrain, AVUNIT and ISA AB
- Maintain and manage the COCOM mandated continuing review of temporary frequencies
- Interpret National and International, (Government and Non-Government), rules and regulations to ensure SM conformance throughout the AOR
- Coordinate as appropriate, SM requirements with other SM offices, and appropriate military services



# Spectrum XXI Frequency Assignment



CSTCA=Combined Security Transition Command (CSTCA)  
 MNSTCI=Multinational Security Transitions Command  
 USFI= US Forces Iraq,  
 TFMC=Theater Frequency Management Centre



Request Via Email  
 Frequency Record Sent VIA SXXI Network

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# JOINT/COALITION

- Responsible for the day-to-day management of Naval Spectrum in support of Joint operations
- Deploy as the Joint SM support, as required or directed, to Joint Task Forces and/or Joint Spectrum Management Elements (JSME)
- Assist in the development and publication of the JCEOI for Contingencies
- Distribution point for CJSMPPT laptops
- Interpret National and International, (Government and Non-Government), rules and regulations

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# TRAINING



- Responsible for all Naval and Joint SM Training requirements
- Assist AOR spectrum managers, and other spectrum users with existing policies and procedures
- Provides training on AESOP, Spectrum XXI, JACS and SPEED as required

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# CHALLENGES

- Routine Contractor funding shortfalls
- Military one year tours

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# ACRONYM LIST

- Afloat Electromagnetic Spectrum Operations Program (AESOP)
- Amphibious Readiness Group (ARG)
- Bahrain (BHR)
- Carrier Strike Group (CSG)
- CENTCOM Spectrum Interference Resolution Reporting System (CSRS)
- Coalition Joint Spectrum Management Planning Tool (CJSMPPT)
- Combined Security Transition Command (CSTCA)
- Commander Fifth Fleet (C5F)
- Commander Task Force (CTF)
- Commander Task Group (CTG)
- Commander United States Naval Forces Central Command (CUSNC)
- Commander United States Naval Forces Central Command (CUSNC)
- Central Command (CENTCOM)
- Combatant Commander (COCOM)

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# ACRONYM LIST CONT.



- Director Wireless Licensing Frequency Monitoring (DWLFM)
- Electromagnetic Interference (EMI)
- Expeditionary Strike Force (ESF)
- GLOBAL System for Mobile Communications (GSM)
- Gulf Cooperation Council (GCC)
- Host Nation Coordination (HNC)
- International Security Assistance Force (ISAF)
- Joint Automated CEOI System (JACS)
- Joint Frequency Management Office (JFMO)
- Joint Spectrum Management Element (JSME)
- Multi National Security Transition Command Iraq (MNSTCI)
- Navy Marine Corps Spectrum Office (NMCSO)
- Naval Support Activity (NSA)
- Operational Control (OPCON)
- Spectrum Management (SM)
- Spectrum XXI (SXXI)
- Tactical Control (TACON)
- Theater Frequency Management Centre (TFMC)
- United States Forces Iraq (USFF)

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# POINT OF CONTACT



## **Mr. Keith K. Jones, Spectrum Lead**

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### **IT1 (SW) William Kennedy**

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### **Mr. Barrie Smith (CTR)**

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DSN: 318-439-8263

### **Mr. Larry Smith (CTR)**

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DSN: 318-439-8262

VOSIP: 308-439-8262

ORG: NIPR: [nmcsocent@me.navy.mil](mailto:nmcsocent@me.navy.mil) SIPR: [nmcsocent@me.navy.smil.mil](mailto:nmcsocent@me.navy.smil.mil)

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# CENTCOM POINT OF CONTACT



Chief Spectrum Manager - Mr. Owen Deckinga

Afghanistan/Spectrum Supportability – Mrs. Martha Baez

Iraq – SFC Orlosky

Host Nation Coordination – ITC Moreland

UHF Tacsat Manager – Mr. Jerry Torres

Interference Resolution – MSG Dubose

Commercial: 813-827-5366

DSN: 312-651-5366

NIPR Organizational: [j6c.jfmo@centcom.mil](mailto:j6c.jfmo@centcom.mil)

SIPR Organizational: [j6c.jfmo@centcom.smil.mil](mailto:j6c.jfmo@centcom.smil.mil)

SXXI Job Account: USCENTCOM JFMO1

NIPR PORTAL:

[http://www2.centcom.mil/sites/Joint\\_FMO/default.aspx](http://www2.centcom.mil/sites/Joint_FMO/default.aspx)

SIPR Portal:

<http://www.rel.centcom.smil.mil/sites/j6/J6C/SPECTRUM/default.aspx>



QUESTIONS?

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